



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, DC 20380

MCO 10200.7
PST
16 Sep 91

MARINE CORPS ORDER 10200.7

From: Commandant of the Marine Corps
To: Distribution List

Subj: MATERIEL FIELDING PLAN (MFP) FOR THE TOOL KIT,
TRANSMISSION SERVICE, FIELD MAINTENANCE (FM), 4TH
ECHELON, SERIES 600 AND 700

Ref: (a) MCO P5000.10C
(b) MCO P4105.3

Encl: (1) Materiel Fielding Plan (MFP) for the Tool Kit,
Transmission Service, FM, 4th Echelon, Series 600
and 700

1. Purpose. To provide guidance per references (a) and (b) to sustain the tool kit and to document the circumstances under which the tool kit was developed.

2. Information. Circa 1984 an ad hoc Tool Sets, Kits, and Chests Standardization and Modernization Committee documented a deficiency in the maintenance aids required to support the Allison transmissions used in various tactical vehicles. A basic tool kit, TAMCN C6613, Tool Kit Transmission, existed but it did not contain all required items. An assessment was made of total requirements and the Commanding General (Code 835-2), Marine Corps Logistics Base, Albany, was tasked (and funded) to procure the additional (SAC-1) items; which were force-fed to using units. These actions were never formally documented. This Order corrects this deficiency. No new/additional items will be issued as a result of the publication of this Order. The enclosure is for record purposes and a basis for future action.

3. Action

- a. Gaining Command. Per paragraph 4 of the enclosure.
- b. CG MCRDAC. Per paragraph 4 of the enclosure.
- c. CG MCLB, Albany, GA. Per paragraph 4 of the enclosure.
- d. The CMC (LPP-4). Per paragraph 4 of the enclosure.

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4. Reserve Applicability. This Order is applicable to the
Marine Corps Reserve.



R. A. TIEBOUT
By direction

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MATERIEL FIELDING PLAN (MFP)
FOR THE
TOOL KIT, TRANSMISSION SERVICE, FM, 4TH ECHELON
SERIES 600 AND 700

1. Introduction

a. Source of Requirement. The Marine Corps has a variety of tactical equipment which utilizes Allison Series 600 and 700 transmissions. A requirement exists for 4th echelon maintenance facilities to possess certain transmission tools for repair of these items. This effort is part of an overall program to standardize and modernize existing tool sets.

b. Points of Contact

<u>TITLE</u>	<u>NAME</u>	<u>UNIT/CODE</u>	<u>COMMERCIAL/ (AV)</u>
Project Officer	Mr. R. Snyder	CG MCRDAC (PST-A)	(703) 696-1157 (DSN) 226-1157
Item Manager	Ms. P. Crawford	CG MCLB Albany, GA (Code 835-1)	(912) 439-6535 (DSN) 567-6535

c. Fielding Methodology. No new or additional assets will be fielded with the publication of this Order. In 1984 (approximately), a HQMC ad hoc Tool Sets, Kits, and Chests Standardization and Modernization Committee developed a project to upgrade the existing Tool Kit, Transmission, TAMCN C6613, to provide 4th echelon maintenance shops with a full complement of tools to support Allison series 600 and 700 transmissions. The Commanding General (Code 835-2), Marine Corps Logistics Base, Albany, GA, was tasked (and funded) to procure and distribute the additional components of the tool kit. Although this was accomplished, it was never documented. Additionally, TAMCN C6613 was subsequently changed to C9665. For using units with components of the tool kit (TAMCN C9665) missing, locally funded requisitions must be submitted to correct deficiencies. For using units that can not account for end item assets, after local research and documentation of the circumstances, submit a requisition for the deficient asset per routine procedures.

d. Replaced Item. Not applicable.

ENCLOSURE (1)

2. System Description

a. Administrative Information

- (1) Nomenclature: Tool Kit, Transmission Service, Field Maintenance, 4th Echelon, Series 600 and 700
- (2) TAMCN: C9665
- (3) ID Number: 08603B
- (4) NSN: 5180-01-199-4018
- (5) JETDS Nomenclature: Not applicable
- (6) Manufacturer: U.S. Marine Corps assembled components
- (7) Manufacturer's CAGE Code: Not applicable
- (8) Manufacturer's Model Number: Not applicable
- (9) Stores Account Code: 3
- (10) Maintenance Echelon Code: 53
- (11) Operational Test Code: The Tool Kit contains individual components (by NSN) that have an OTC-3 assigned.
- (12) Unit of Issue: Kit
- (13) Unit Standard Package: 1
- (14) Unit Cost: \$1,789.80
- (15) Support Cost: Not applicable
- (16) Readiness Reporting: Not applicable
- (17) Equipment Density: Normal
- (18) Petroleum, Oil and Lubricants: Not applicable
- (19) Power Requirements: Not applicable
- (20) MHE Lift/Motor Transport Requirements: Not applicable

ENCLOSURE (1)

b. Physical Characteristics

	<u>Operational Configuration</u>	<u>Storage/Shipping Configuration</u>
(1) <u>Length</u> :	47 in	47 in
(2) <u>Width</u> :	38 in	38 in
(3) <u>Height</u> :	23 in	23 in
(4) <u>Square</u> :	12.4 sq ft	12.4 sq ft
(5) <u>Cube</u> :	23.8 cu ft	23.8 cu ft
(6) <u>Weight</u> :	275 lbs	275 lbs
(7) <u>Stowage</u> :	23.8 cu ft	23.8 cu ft

c. Operational Characteristics. The tool kit is composed of special tools, gages, and lifting devices required by maintenance personnel to perform technical inspection and repair of all Allison series 600 and 700 transmissions used in the following Marine Corps tactical vehicles:

Nomenclature

MK48 (LVS) (All variants)

Truck (900 Series) (All variants)

LAV (All variants)

HUMMWV (All variants)

CUCV (All variants)

Tanks (M60 and M1A1)

Tank Retrievers (M88A1)

Self-Propelled Howitzer (All variants)

d. Associated Equipment. Not applicable.

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3. Logistics Support

a. Maintenance Concept

(1) Organizational Level Maintenance. First echelon maintenance consists of normal cleaning, inventory and replacement of unserviceable components as required. No 2d echelon maintenance is required.

(2) Intermediate Level Maintenance. Intermediate level maintenance is limited to components requiring calibration (and repair) and will be accomplished at 4th echelon by MOS's 2871 and 2874 at the supporting calibration facility. No 3d echelon maintenance is required.

(a) Calibration. Calibration of applicable components of the tool kit is required per TI-4733-15/1. Those items requiring calibration are identified by NSN in the Master Data List (MDL) with an Operational Test Code (OTC) of '3'.

(3) Depot Level Maintenance. Not applicable.

b. Contractor Support Requirements. Not applicable.

c. Manpower and Training. Since the tool kit has been upgraded by adding additional components to a previously fielded tool kit, no additional manpower, or training requirements are established.

d. Supply Support/Provisioning Availability Schedule.

(1) Initial Issue Provisioning (IIP). Not applicable.

(2) Interim Support. Not applicable.

(3) Follow-on Replenishment Support. Replenishment support is available through the normal resupply channels.

e. Support Equipment

(1) Special Tools. Not applicable.

(2) Special Purpose Test Equipment (SPTE). Not applicable.

(3) General Purpose Test Equipment. The Calibration Facility, Transportable, TAMCN A0175 and Test Instrument Repair

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Facility, TAMCN A2685 contain all required test equipment and calibration standards to conduct 4th echelon calibration maintenance on the tool kit components requiring calibration.

(4) Test Program Sets. Not applicable.

(5) Other Support Equipment and Interfaces. Not applicable.

f. Technical Publications. Except for SL-3-08603B (PCN 12308603100) no tool kit unique publications exist. For proper use of individual tools, refer to the applicable maintenance manuals for the transmissions previously listed.

(1) Configuration Management Requirements. Not applicable.

g. Computer Resources Support. No computer resource support is required.

h. Facilities Requirements/MILCON Project Status. No facilities requirements or MILCON projects are pertinent to this item.

i. Packaging, Handling, Storage and Transportation

(1) Packaging. No special packaging is required.

(2) Handling. Normal handling techniques employed for properly packed fragile electronic instrumentation should be used.

(3) Storage. Normal warehouse storage is required.

(4) Transportation. No special transportation requirements exist for the subject tool kit.

j. Warranties. Not applicable.

k. Special Instructions. A tool box is not a component of the tool kit. The tool kit components are normally stored on shelves in using unit tool rooms for ready issue to mechanics. For deployment, once the components required for the mission are determined, a wooden box to accommodate transport and for protection of contents must be locally constructed.

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4. Actions Required to Place Equipment In Service

a. Gaining Command. Assure that tool kit C9665 is assembled/configured per SL-3-08603A.

b. CG MCRDAC. None.

c. CG MCLB, Albany, GA. None.

d. CMC (LPP-4). Activate all unit allowances upon publication of this Order. Delete all unit special allowances.

ENCLOSURE (1)

LIST OF ALLOWANCES

<u>T/E NO</u>	<u>UNIT TITLE</u>	<u>UNIT ALLOWANCE</u>
B3331	Maint Co, Bde Ser Spt Group	2
N3136	Gen Spt Maint Co, MaintBn, 1st FSSG	4
N3236	Gen Spt Maint Co, MaintBn, 2d FSSG	4
N3336	Gen Sup Maint Co, MaintBn, 3d FSSG	2
N3436	Gen Spt Maint Co, MaintBn, 4th FSSG	4
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Appendix A to
ENCLOSURE (1)